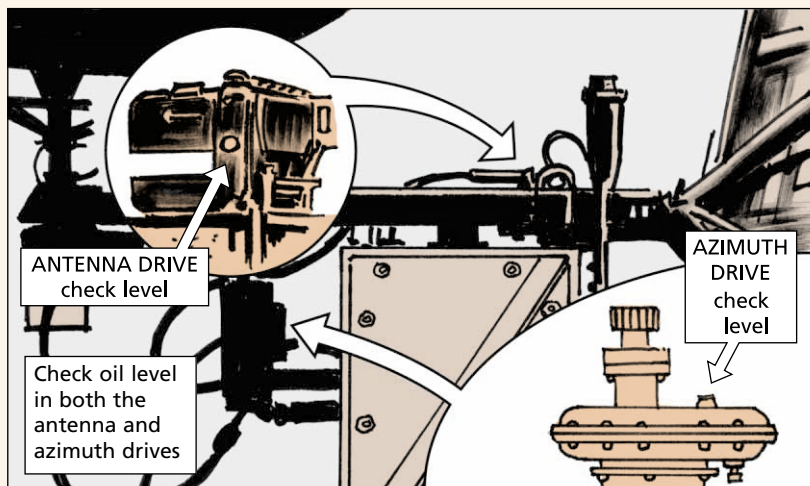


ATC EQUIPMENT COLD FACTS

Arry aviators fly in good and bad weather. But when the weather turns bad, the AN/TPN-18 tactical radar set is what the aviator depends on to guide him safely home. So, make sure the radar is ready to do its part—even in winter's grip.

First, check out the gear lubricating oil in the azimuth and elevation gear case assemblies. It must be an all-weather gear lubricating oil, like NSN 9150-01-152-1094, and it must be at the correct level. See the procedure in paragraph 5-9 in TM 11-5840-281-12. All-weather lube oil keeps gears moving when others thicken up and cause gear failure.



Next, **open** the lower front door of the radar set when you turn it **off**. The open door lets air in and equalizes the inside and outside temperatures. That prevents condensation inside the radar set, which means circuits won't short out when you power up. The door must be closed when the unit is powered up because of the electrical hazard it poses when the radar is on.

